

Form PTO-1449

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
MSI-546US

SERIAL NO.

LIST OF ART CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Microsoft Corporation

FILING DATE

GROUP

14:941 U.S. PTO
651880
68/30

U.S. PATENT DOCUMENTS

| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|---|-----------------|------|------|-------|----------|----------------------------|
| | A | | | | | | |
| | B | | | | | | |
| | C | | | | | | |
| | D | | | | | | |
| | E | | | | | | |
| | F | | | | | | |
| | G | | | | | | |
| | H | | | | | | |
| | I | | | | | | |
| | J | | | | | | |
| | K | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | Document Number | Date | Country | Class | Subclass | Translation | |
|--|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | | | |
|------------|---|------------|---|---|--|--|--|--|
| <i>ZWP</i> | E | <i>ZWP</i> | ✓ | Aaron Lee et al., "Displaced Subdivision Surfaces", Submitted for Publication, Date unknown | | | | |
| | F | | ✓ | Volker Blanz et al., "A Morphable model for the Synthesis of 3d Faces", Proceedings of SIGGRAPH 1999, pp. 187-194, 1999 | | | | |
| | G | | ✓ | Brian Gunter et al., "Making Faces", Proceedings of SIGGRAPH 1998, pp. 55-67, 1998 | | | | |
| | H | | ✓ | Pat Hanrahan et al., "Reflection For Layered Surfaces Due to Subsurface Scattering", Proceedings of SIGGRAPH 1993, pp. 165-174, 1993 | | | | |
| | I | | ✓ | Hughes Hoppe et al., "Piecewise Smooth Surface Reconstruction", In Computer Graphics (SIGGRAPH 1994 Proceedings) pp. 295-302, July 1994 | | | | |
| | J | | ✓ | Yizhou Yu, "Inverse Global Illumination: Recovering Reflectance Models of Real Scenes From Photographs", In Computer Graphics (SIGGRAPH 1999 Proceedings), pp. 215-224, August 1999 | | | | |

EXAMINER

Lance W. Sealey

DATE CONSIDERED

3/22/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | |
|---|--|------------------------------------|------------|
| Form PTO-1449 | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO. MSI-529US | SERIAL NO. |
| LIST OF ART CITED BY APPLICANT (Use several sheets if necessary) | | APPLICANT Microsoft Corporation | |
| | | FILING DATE | GROUP |

U.S. PATENT DOCUMENTS

| *Examiner Initial | | Document Number | Date | Name | Class | Subclass | Filing Date If Appropriate |
|-------------------|---|-----------------|------|------|-------|----------|-------------------------------|
| | A | | | | | | |
| | B | | | | | | |
| | C | | | | | | |
| | D | | | | | | |
| | E | | | | | | |
| | F | | | | | | |
| | G | | | | | | |
| | H | | | | | | |
| | I | | | | | | |
| | J | | | | | | |
| | K | | | | | | |

FOREIGN PATENT DOCUMENTS

| | | Document Number | Date | Country | Class | Subclass | Translation | |
|--|--|-----------------|------|---------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, Etc.)

| | | | | | | | |
|-----|---|-----|--|--|--|--|--|
| ZWD | E | ZWD | Eric P.F. Lafontaine et al., "Non-linear Approximation of Reflection Functions", In Computer Graphics (SIGGRAPH 1997 Proceedings) pp.117-126, August 1997 | | | | |
| | F | | Yuencheng Lee et al., "Realistic Modeling For Facial Animation", Computer Graphics, 29(2), pp. 55-62, July 1995 | | | | |
| | G | | Charles Loop, "Smooth Subdivision Surfaces Based on Triangles" PhD Thesis, University of Utah, August 1987 | | | | |
| | H | | Stephen R. Marschner et al., "Image-based BRDF Measurement Including Human Skin", In Rendering Techniques 1999, (Proceedings of the Eurographic Workshop on Rendering), pp. 131-144, June 1999 | | | | |
| | I | | Frederic Pighin et al., "Synthesizing Realistic Facial Expressions From Photographs", In Computer Graphics (SIGGRAPH 1998 Proceedings), PP. 78-84, July 1998 | | | | |
| ↓ | J | ↓ | Keith Waters, "A Muscle Model For Animating Three-Dimensional Facial Expression", In Maureen C. Stone, editor, Computer Graphics (SIGGRAPH Proceedings 1987), Vol. 21, pp. 17-24, July 1987 | | | | |

| | | | |
|----------|-----------------|-----------------|---------|
| EXAMINER | Lance W. Sealey | DATE CONSIDERED | 3/22/03 |
|----------|-----------------|-----------------|---------|